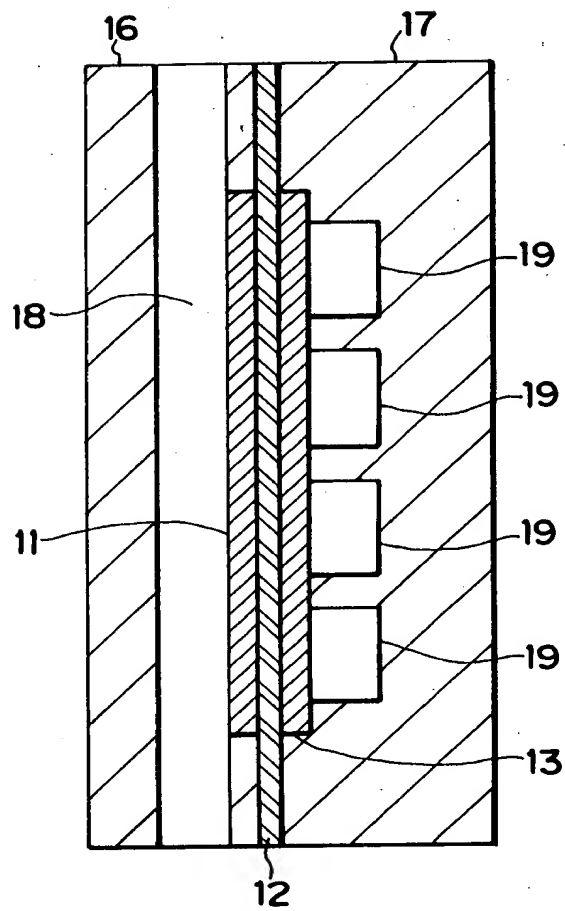
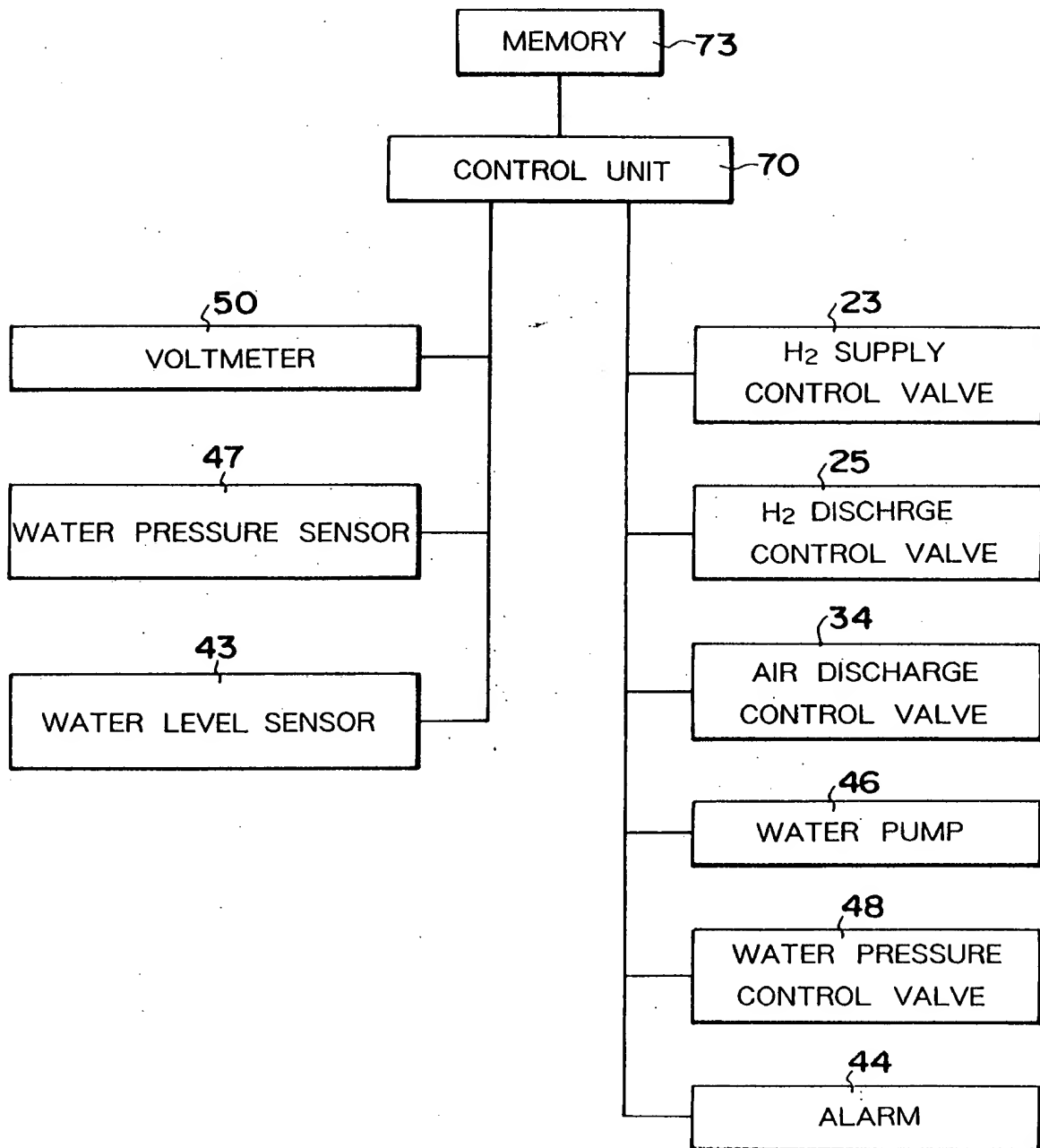




FIG.2



**FIG.3**

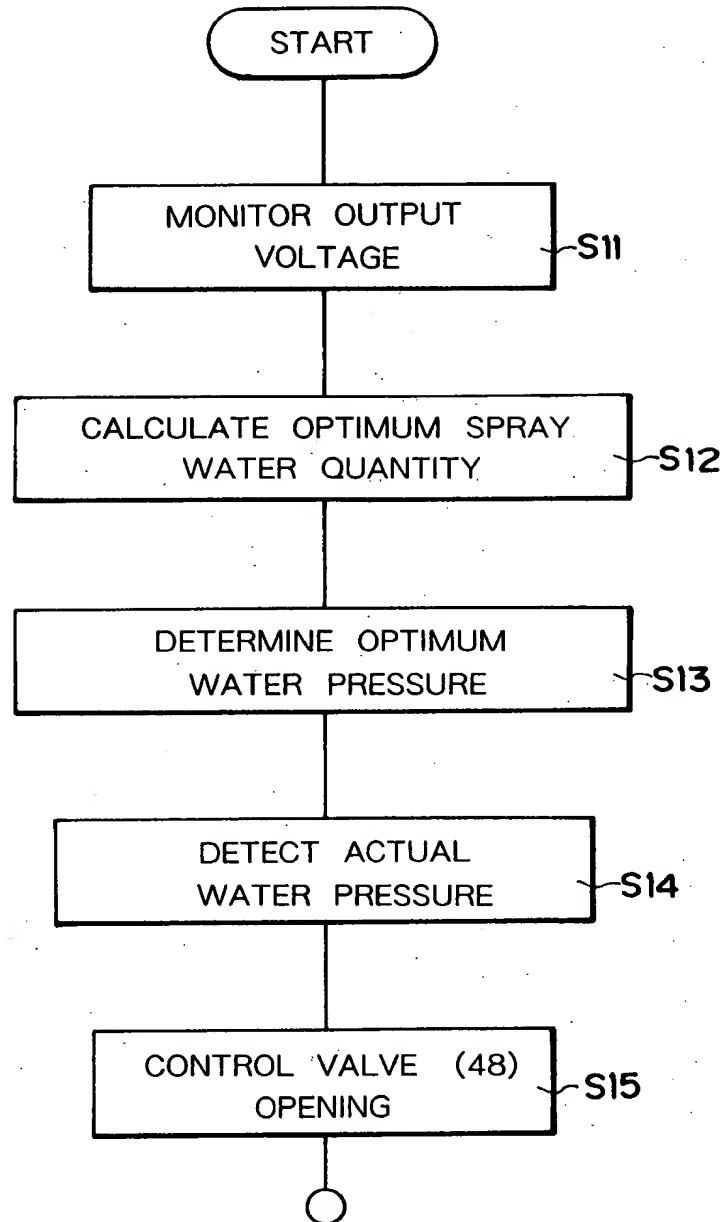


**Figure 6**

Figure 6 displays four histograms showing the distribution of the number of nodes per cluster for different values of  $\alpha$ . The x-axis represents the number of nodes per cluster, ranging from 0 to 10. The y-axis represents the frequency or count of clusters.

- The top histogram ( $\alpha = 0.0$ ) shows a highly skewed distribution with a peak at 1 node per cluster.
- The second histogram ( $\alpha = 0.1$ ) shows a slightly less skewed distribution compared to  $\alpha = 0.0$ .
- The third histogram ( $\alpha = 0.2$ ) shows a more uniform distribution across the range of nodes per cluster.
- The bottom histogram ( $\alpha = 0.3$ ) shows a distribution that is relatively flat, indicating a higher degree of uniformity in the number of nodes per cluster.

FIG.4



2025-09-24 10:00:00

09466 07404  
104620 2994660

FIG.5

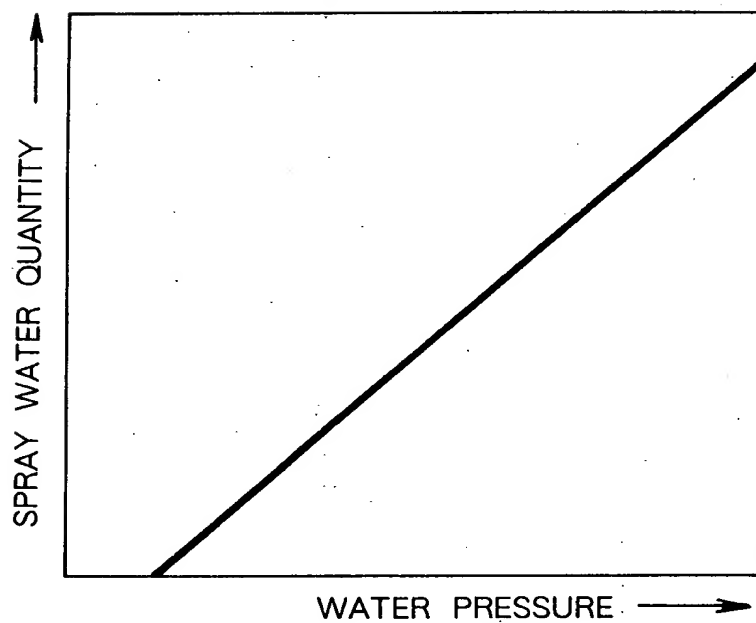
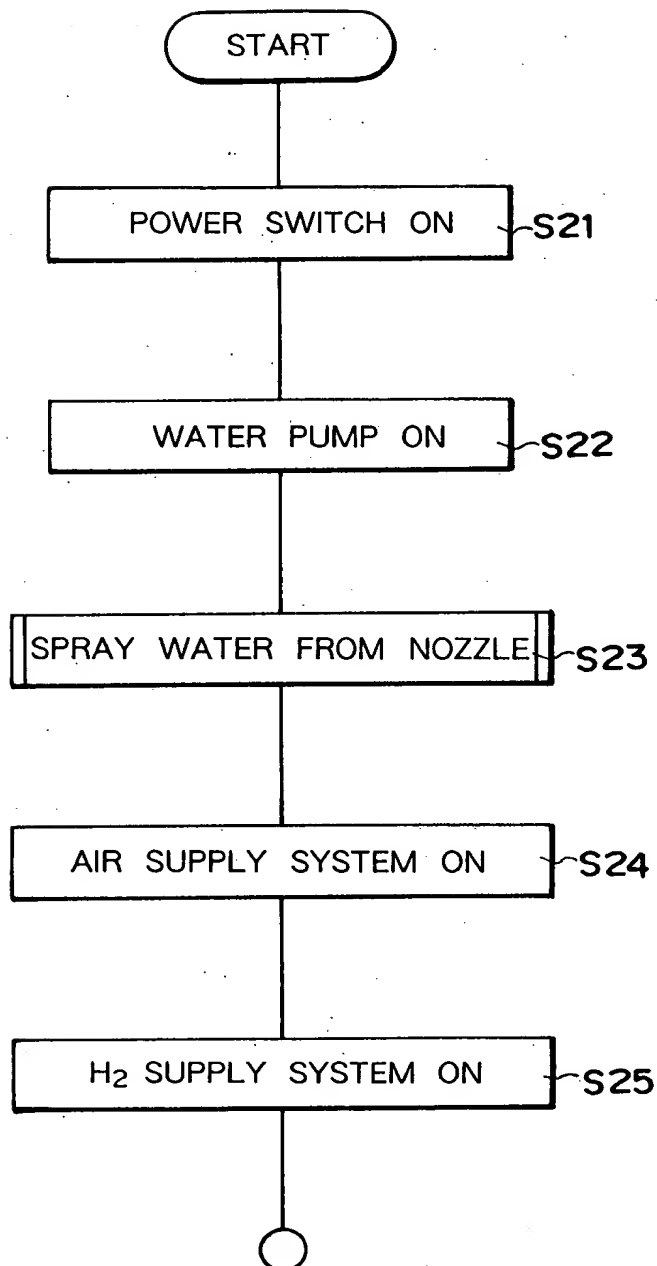


FIG.6



004466-0240

FIG. 7

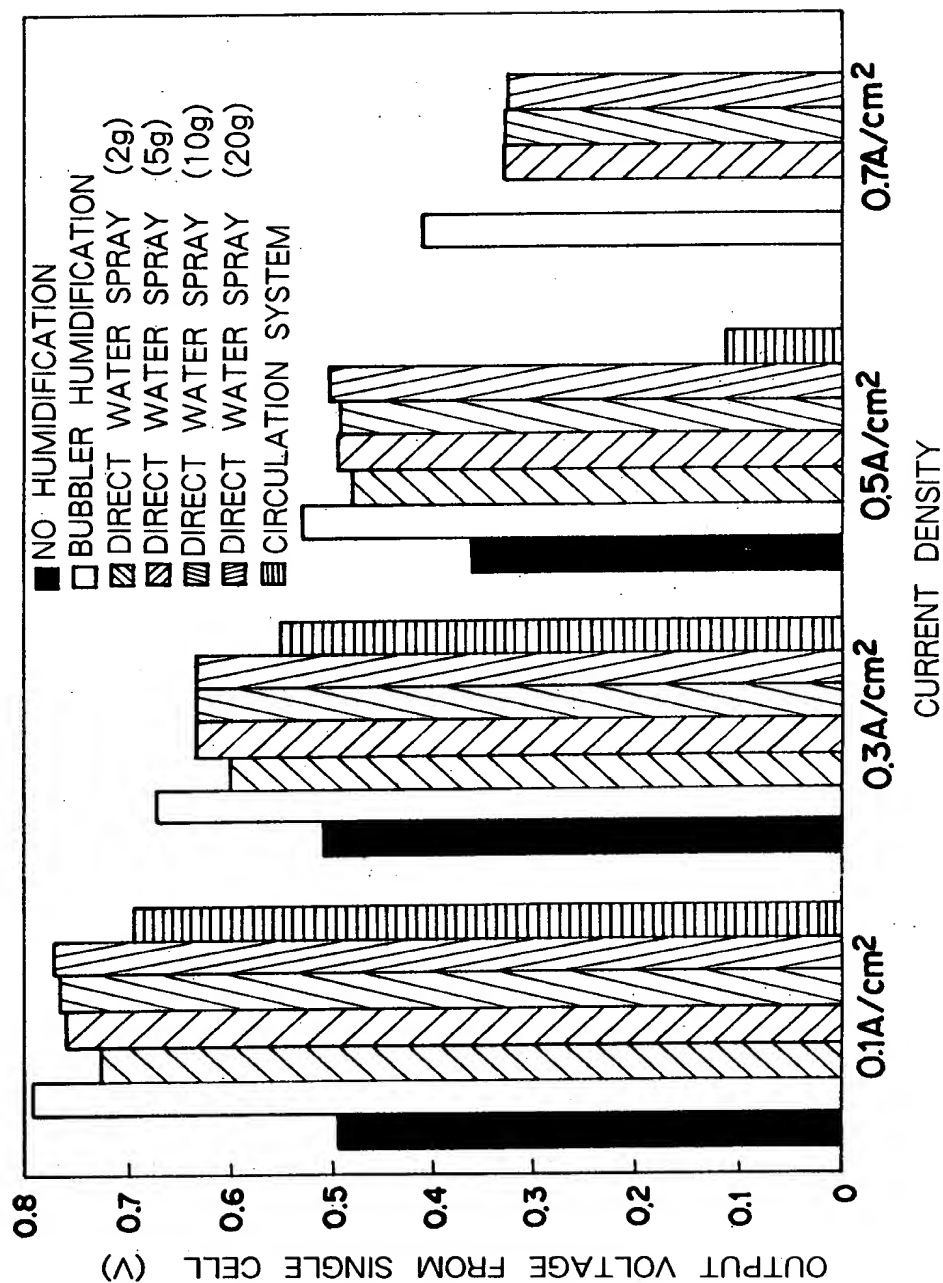


FIG.8

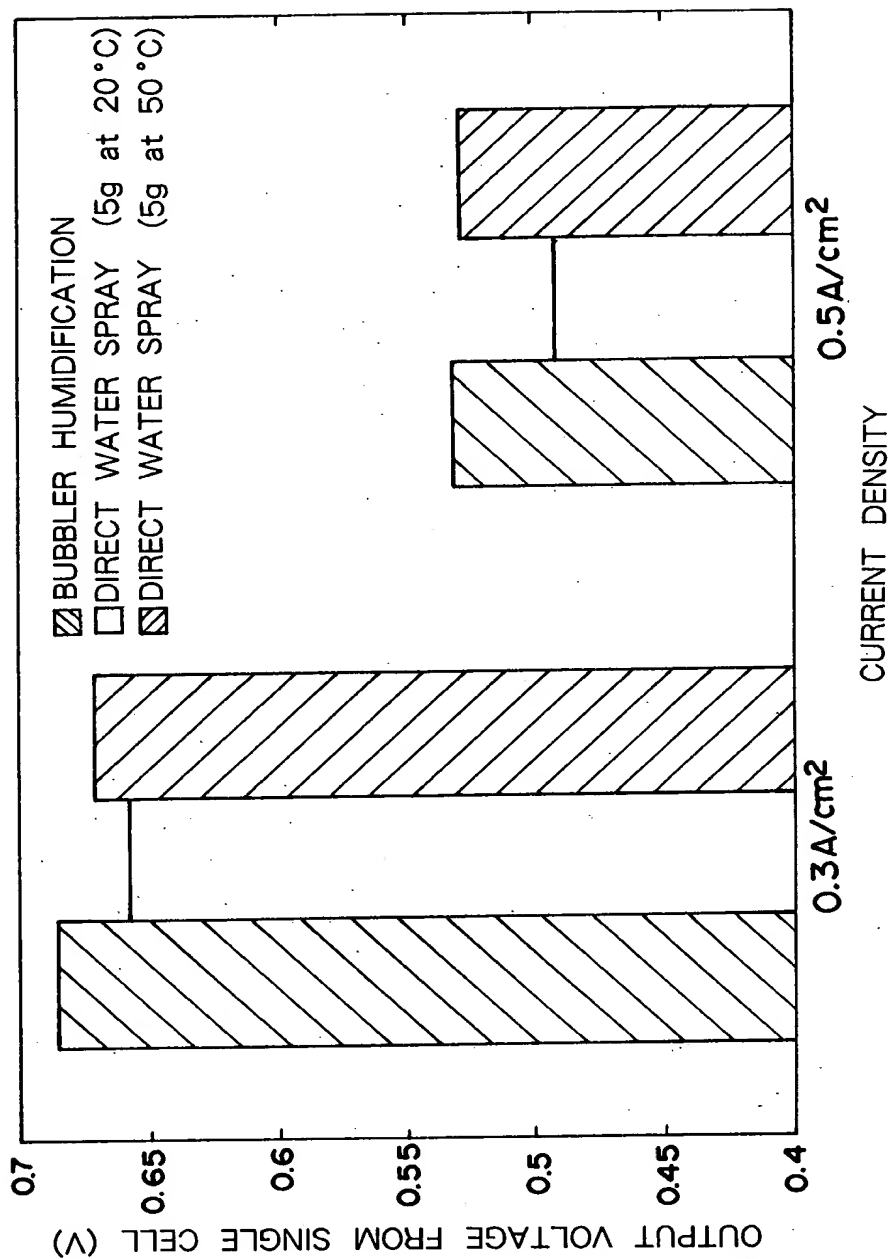




FIG. 9

PRIOR ART

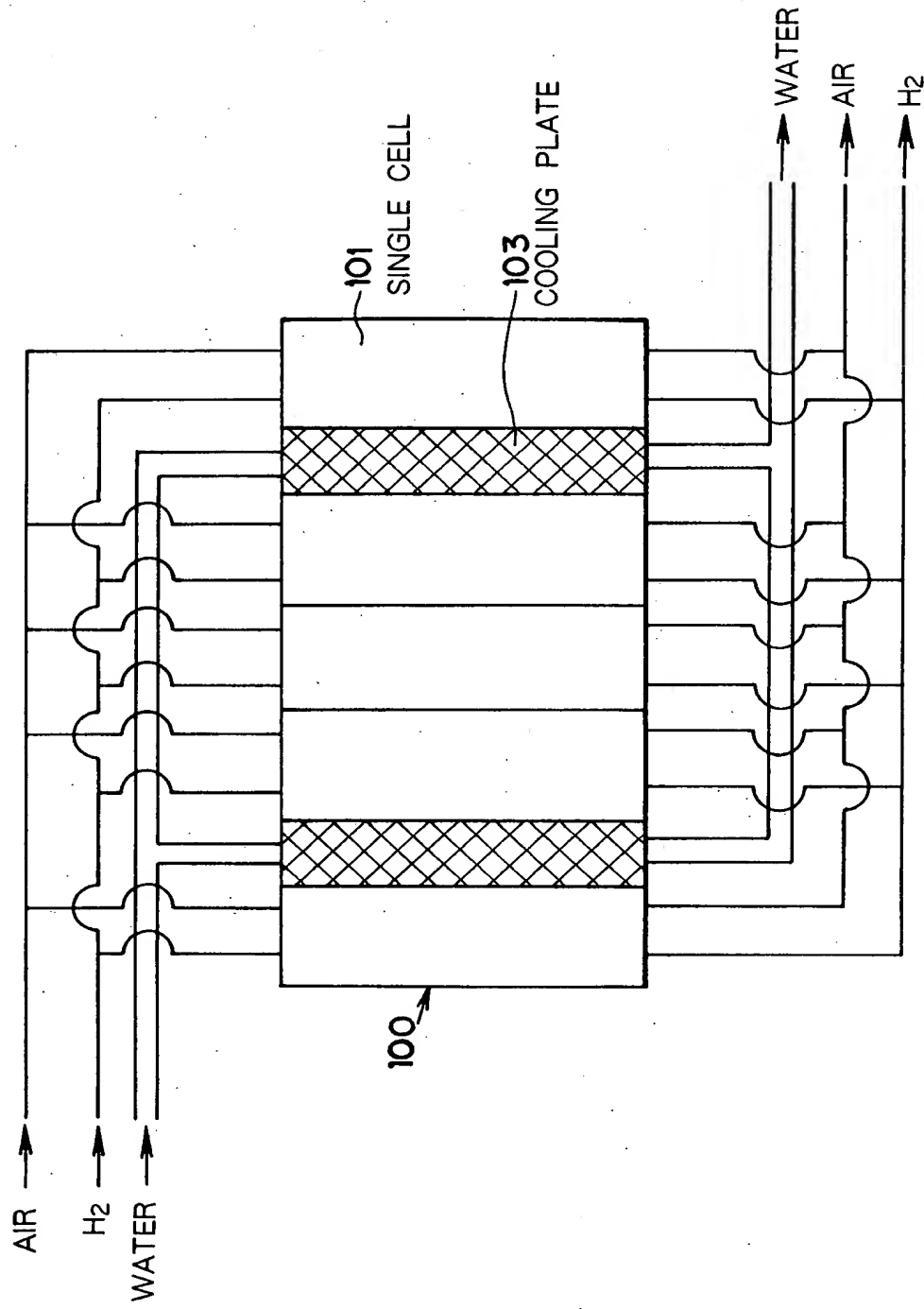


FIG.10

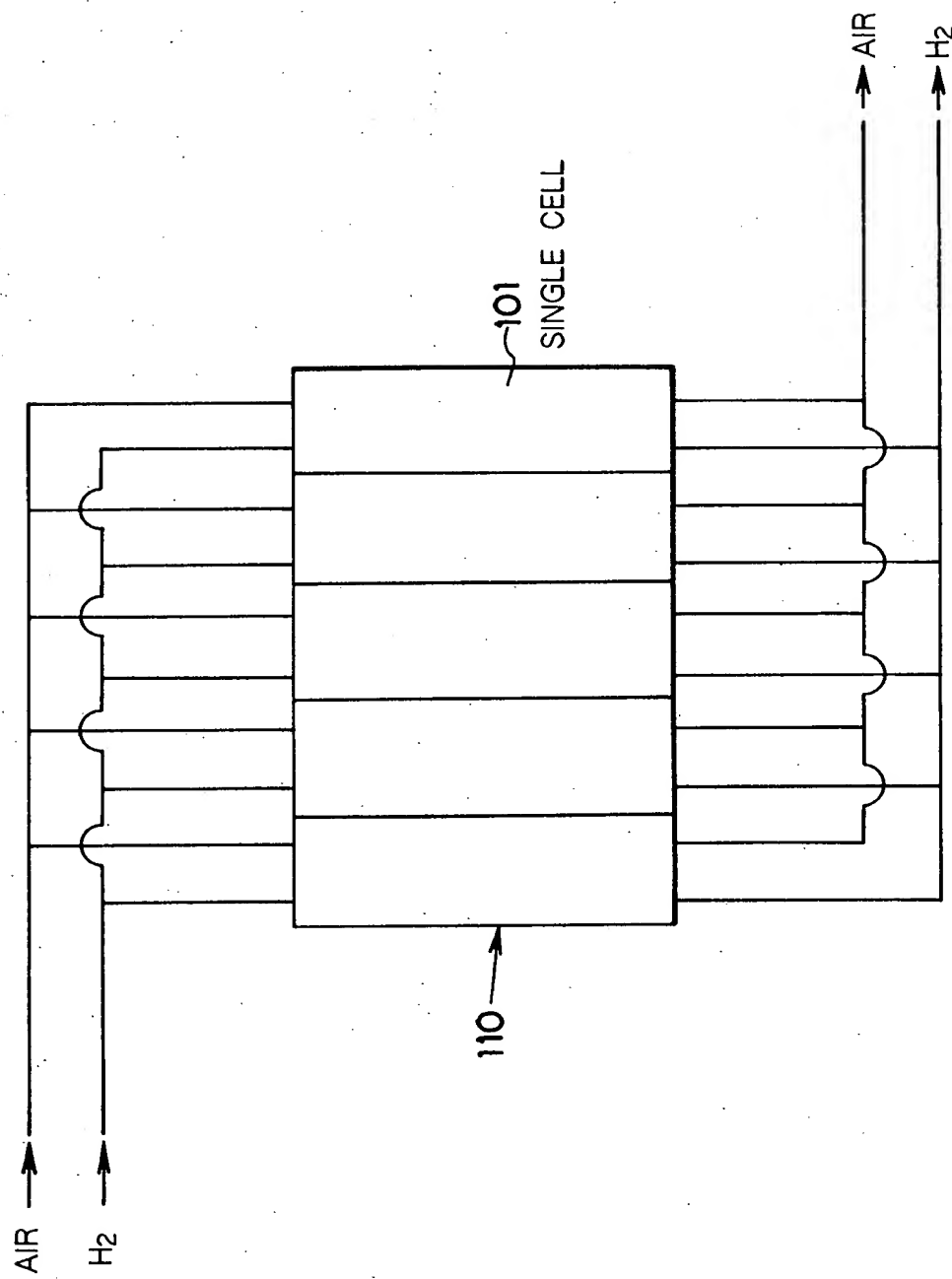


FIG.11

	TEST SAMPLE	1	2	3	4	5	6	7	8	9	10	11	12
CONDITIONS	SPRAY WATER QTY. (g/min. cell)	0	31	40	44	0	31	40	44	0	31	40	44
	SPRAY WATER TEMP. (°C)	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
	AIR FLOW RATE (l/min)	56	56	56	56	56	56	56	56	56	56	56	56
	AIR TEMP. (°C)	26	26	26	26	26	26	26	26	26	26	26	26
	WATER TEMP. (°C) IN COOLING PLATE	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
RESULTS	F/C WALL TEMP. (°C)	35.1	31.3	31.8	31.3	48.5	41	41	40.5	61.4	50.4	49	47.8
	F/C DISCHARG GAS TEMP. (°C)	38.5	33.4	33.4	33.3	57.3	46.8	46.3	46.5	75.7	56.3	55.2	53.6
	WATER TEMP. (°C) AT F/C INLET	39.6	39.5	39.6	39.6	59.3	58.8	59	58.9	78.4	76.9	75	73.5
	WATER TEMP. (°C) AT F/C OUTLET	38.9	34.4	34.1	33.8	57.9	47.8	47.2	46.9	76.7	61	58.7	57.6

FIG.12

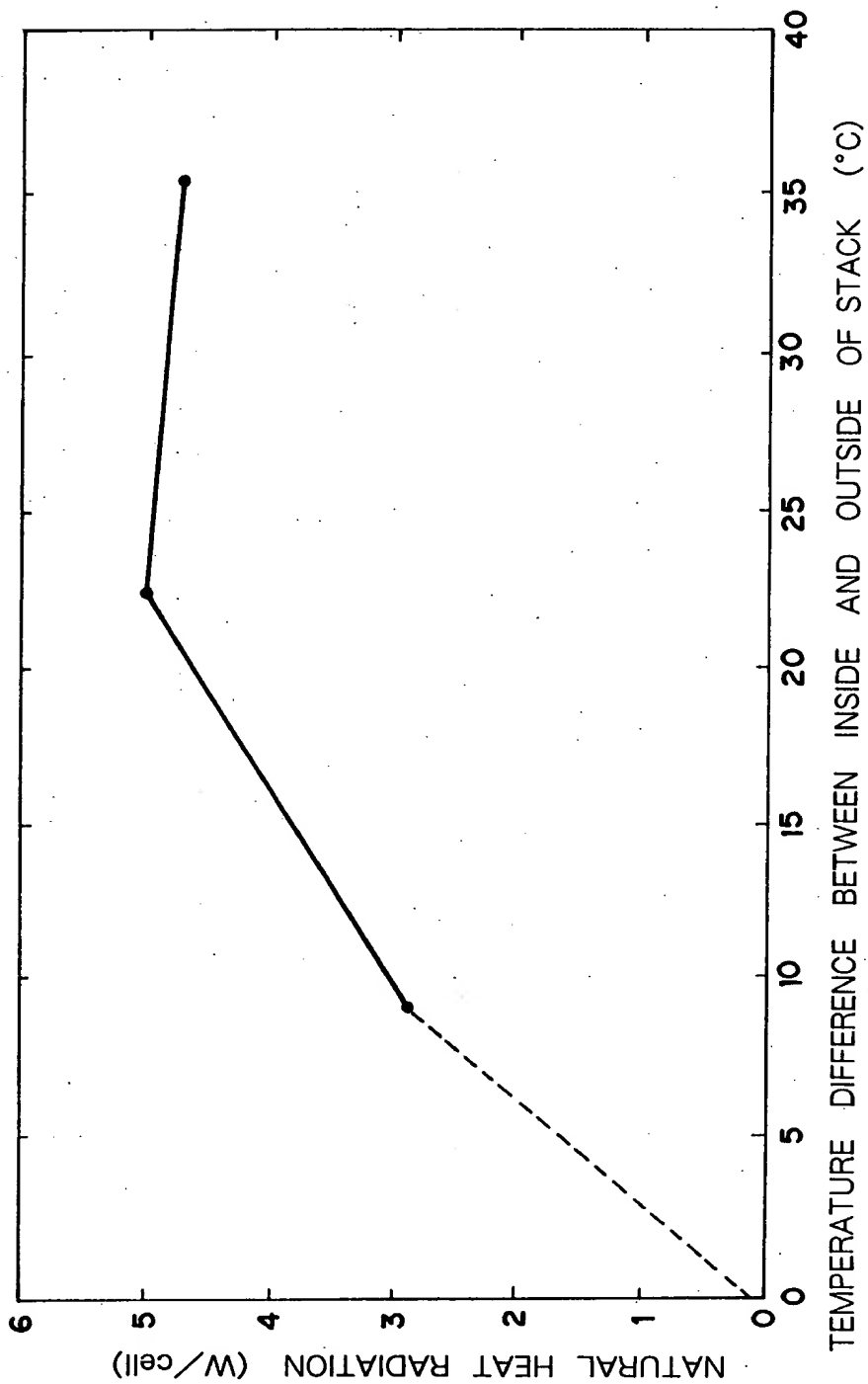


FIG.13

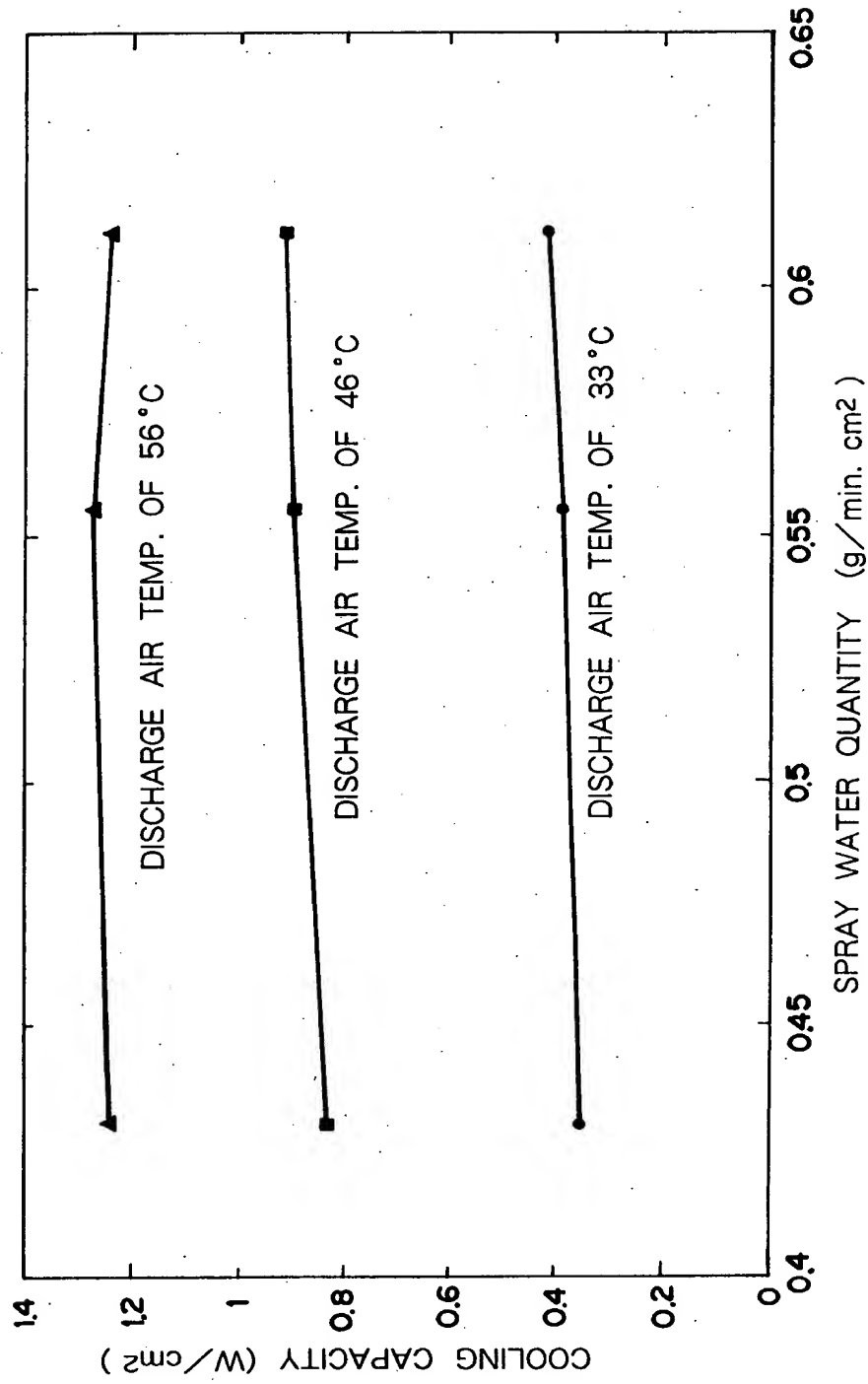


FIG.14

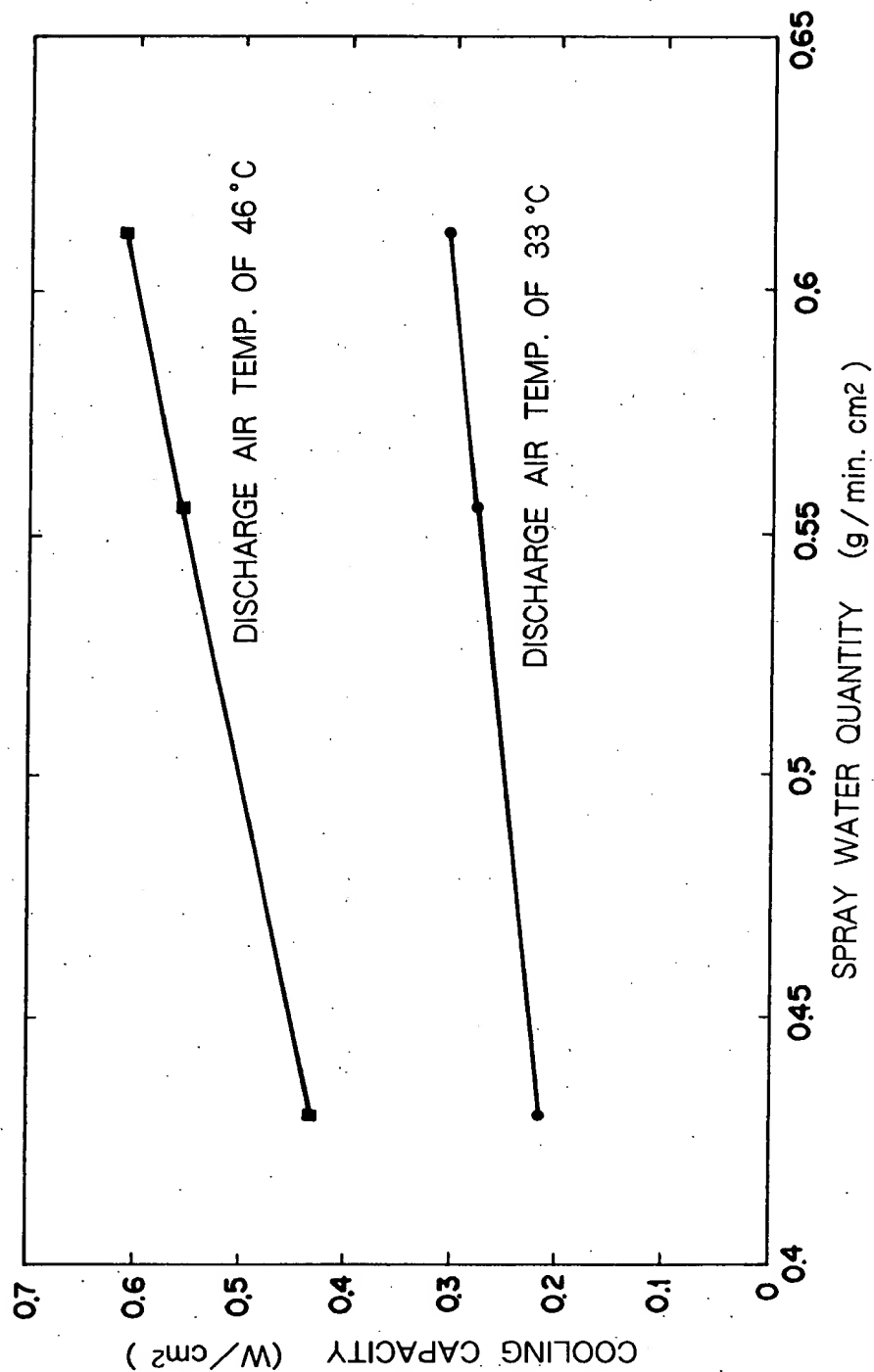


FIG.15

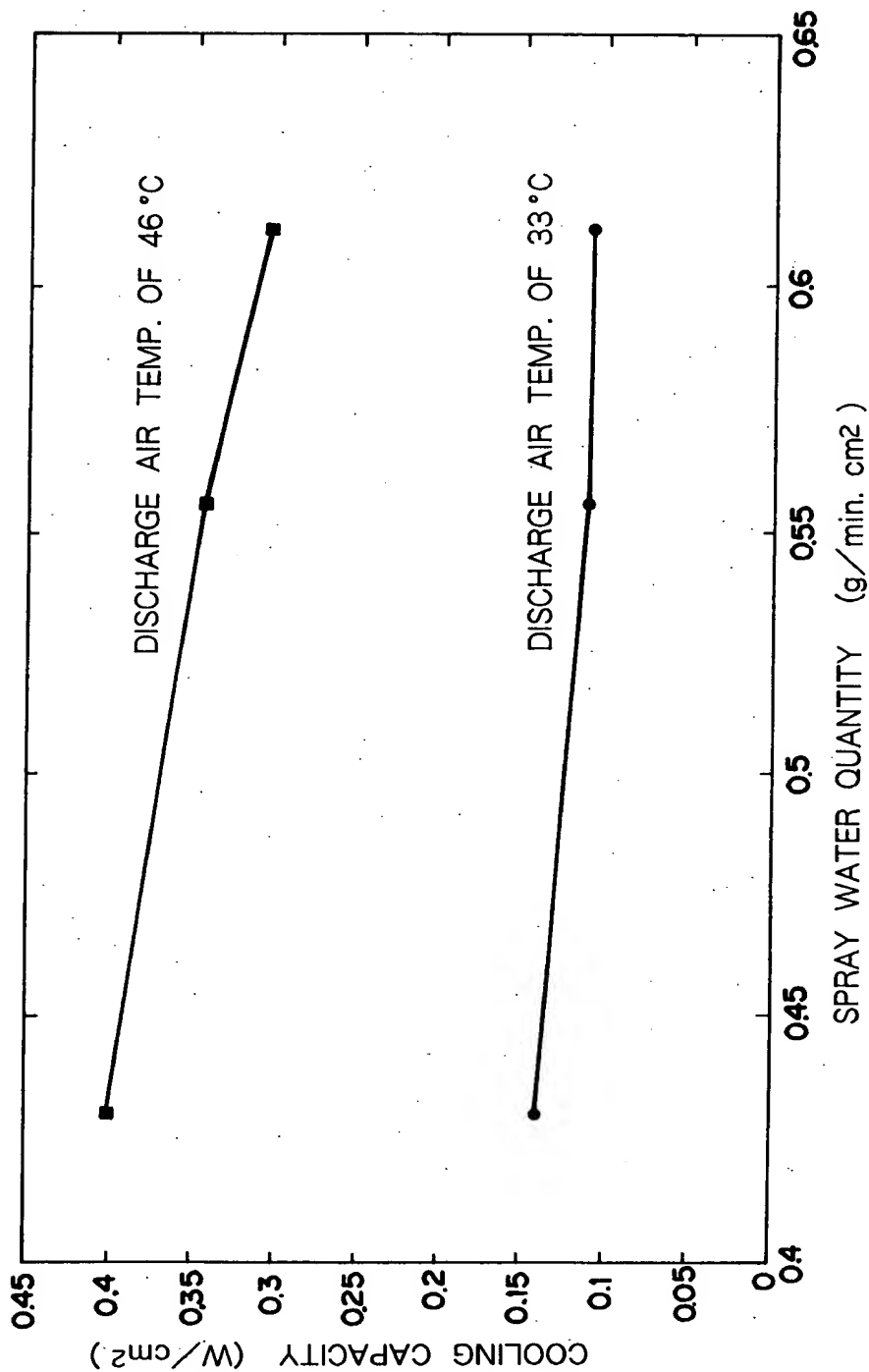


FIG.16

